

ABSTRACT OF THE DISCLOSURE

A method and preparation for the stimulation of tear secretion in a subject in need
5 of such treatment is disclosed. The method comprises administering to the ocular
surfaces of the subject a purinergic receptor agonist such as uridine 5'-triphosphate (UTP),
dinucleotides, cytidine 5'-triphosphate (CTP), adenosine 5'-triphosphate (ATP), or their
therapeutically useful analogs and derivatives, in an amount effective to stimulate tear
fluid secretion and enhance drainage of the lacrimal system. Pharmaceutical formulations
10 and methods of making the same are also disclosed. Methods of administering the same
would include: topical administration via a liquid, gel, cream, or as part of a contact lens
or selective release membrane; or systemic administration via nasal drops or spray,
inhalation by nebulizer or other device, oral form (liquid or pill), injectable,
intra-operative instillation or suppository form.